

C1 image captured of at least a portion of the paper medium, and that is operable to control a printer so as to optimize print quality for physical characteristics of the paper medium.

SPD 4. (Amended) A paper medium carrying a steganographic message, the steganographic message including printer control information related to the paper medium that is readable by a machine from an image captured of at least a portion of the paper medium, and that is operable to control a printer so as to optimize print quality for physical characteristics of the paper medium, wherein the steganographic message is encoded in a digital watermark.

SPD 7. (Amended) A printer system comprising:
C3 an image sensor for capturing an image of print media;
a steganographic decoder for reading a steganographic message from the image of the print media, the message including printer control information for optimizing printer operation for the print media, wherein an optimization relates to print resolution; and
a printer control unit in communication with the decoder for receiving the printer control information and using the information to optimize print resolution to accommodate physical characteristics of the print media.

Sub 13. (Amended) A method for adapting operation of an ink-jet printer to a type of print media comprising:

C4 providing a digitally watermarked sheet of print media to the printer, wherein a digital watermark in the digitally watermarked sheet of print media includes an identifier;
capturing an image of at least a portion of the print media;
decoding the identifier from the image, wherein the identifier includes printer control information; and
using the printer control information to index corresponding printer operating parameters which relate to physical characteristics of the print media and adapting operation of the printer in accordance with the parameters.

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D1 15. (Amended) A paper medium carrying a steganographic message, the steganographic message including printer control information related to at least a paper-bleeding coefficient of the paper medium, the printer control information being readable by a machine from an image captured of at least a portion of the paper medium, and the printer control information being operable to control a printer so as to optimize print quality for the paper-bleeding coefficient of the paper medium.

C5 16. (Amended) A method for adapting operation of a printer to a type of print media comprising:
capturing an image of at least a portion of a print media;
steganographically decoding a message from the image, the message including printer control information related to an optimal resolution for printing on the print media with respect to at least a physical characteristic of the print media; and
using the printer control information to adapt operation of the printer to print at the optimal resolution.

*Please add new claims 21 and 22 as follows:

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D1 21. (New) The method of claim 16, wherein the optimal resolution is determined based at least in part on an image to be printed to the print media.

22. (New) The method of claim 7, wherein an optimal resolution is determined based at least in part on an image to be printed to the print media.